



DFW

Atty Docket No.: PATENT  
764164504017

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Papanikolaou et al.

Serial No.: 09/940,053

Art Unit: 2637

Filed: August 27, 2001

Examiner: Chang, Edith M.

Title: Adaptive Equalizer with Large Data Rate Range

Commissioner for Patents  
Mail Stop Issue Fee  
P. O. Box 1450  
Alexandria, VA 22313-1450


Sir:

**Request for Consideration of Information Disclosure Statements**

Applicant requests that the Information Disclosure Statements ("IDS") filed on February 15, 2002 and May 8, 2003 be considered and made of record in the above-captioned case. The IDSs were received and acknowledged by the Patent Office as evidenced by the postcards with OIPE stamp date. Attached are copies of each IDS with references submitted to the Patent Office.

No fee is believed to be due for entry of these Information Disclosure Statements. However, if any fee should be required, please charge such fee to Jones Day's Deposit Account No. 501432, Reference No. 764164605017.

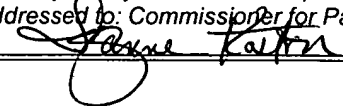
Respectfully submitted,

  
\_\_\_\_\_  
Joseph M. Sauer, Esq., Reg. No. 47,919  
Jones Day  
North Point/901 Lakeside Avenue  
Cleveland, Ohio 44114  
(216) 586-3939

Date: February 2, 2006.

Certificate of Mailing

I hereby certify that this correspondence is being deposited with the United States Postal Service via first class mail addressed to: Commissioner for Patents, Alexandria, Virginia 22313 on the date indicated below.

  
\_\_\_\_\_  
/Suzanne Koston on February 3, 2006.



Express Mail No.: \_\_\_\_\_  
Docket No.: 764164-605017  
Application No.: 09/940,053  
Patent/Registration No.: \_\_\_\_\_  
Trademark: \_\_\_\_\_

Date Mailed: May 8, 2003  
Applicant: Papanikolaou et al.  
Filing Date: 8/27/2001  
Issue/Registration Date: \_\_\_\_\_  
Title: Adaptive Equalizer with Large Data Rate Range

THE USPTO ACKNOWLEDGES AND HAS STAMPED THE DATE OF RECEIPT OF THE ITEMS CHECKED BELOW:

<input type="checkbox"/> Affidavit (____ pages)	<input type="checkbox"/> Design Patent Application Transmittal
<input type="checkbox"/> Amendment (____ pages)	<input type="checkbox"/> Utility Patent Application Transmittal
<input type="checkbox"/> Application Papers	<input type="checkbox"/> Issue Fee Transmittal
<input type="checkbox"/> sheets of drawing(s) (formal/informal)	<input type="checkbox"/> Maintenance Fee Transmittal Form
<input type="checkbox"/> pages specification	<input type="checkbox"/> Notice of Opposition
<input type="checkbox"/> pages description	<input type="checkbox"/> Petition for Extension of Time
<input type="checkbox"/> pages claims	<input type="checkbox"/> Preliminary Amendment (____ pages)
<input type="checkbox"/> pages abstract	<input type="checkbox"/> Renewal Application (____ pages)
<input type="checkbox"/> pages of PCT Request	<input type="checkbox"/> Response (____ pages)
<input type="checkbox"/> PCT Calculation sheet	<input type="checkbox"/> Revocation of Power of Attorney and Appointment of New Attorney
<input type="checkbox"/> Application Data Sheet	<input type="checkbox"/> Small Entity Statement
<input type="checkbox"/> Assignment (____ pages) <input type="checkbox"/> Assignment cover sheet	<input type="checkbox"/> Specimens
<input type="checkbox"/> Declaration (____ pages)	<input type="checkbox"/> Statement of Use
<input type="checkbox"/> Declaration/Power of Attorney (____ pages)	<input type="checkbox"/> Status Inquiry
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Transmittal Letter
<input checked="" type="checkbox"/> IDS & PTO-1449 and	<input type="checkbox"/> Check - Amount \$ _____
<input type="checkbox"/> <u>6</u> cited item(s)	<input type="checkbox"/> Other
<input type="checkbox"/> Provisional Application for Patent cover sheet	





Atty Docket No.: PATENT  
764164605017

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Papanikolaou et al.

Serial No.: 09/940,053

Art Unit: 2631

Filed: August 27, 2001

Examiner: Unknown

Title: Adaptive Equalizer with Large Data Rate Range

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:


**Supplemental Information Disclosure Statement**

This Statement is submitted in compliance with 37 C.F.R. §1.56 and §1.97(b)(3).

A list of patent(s) and/or publication(s) is set forth on the attached Form PTO-1449. A copy of each item listed is enclosed.

If any additional fees required for the proper filing of this Information Disclosure Statement are required please debit Jones Day's Deposit Account No. 501432 (Reference: 764164605017).

Respectfully submitted,

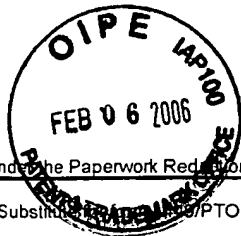
  
\_\_\_\_\_  
Joseph M. Sauer, Reg. No. 47,919  
Jones Day  
North Point/901 Lakeside Avenue  
Cleveland, Ohio 44114  
(216) 586-3939

Date: May 8, 2003

Certificate of Mailing

I hereby certify that this correspondence is being deposited with the United States Postal Service via first class mail addressed to Commissioner for Patents, Alexandria, Virginia 22313 on the date indicated below.

  
May 8, 2003.



PTO/SB/08A (04-03)

Approved for use through 04/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute Form PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 2

**Complete if Known**

Application Number	09/940,053
Filing Date	8/27/2001
First Named Inventor	Papanikolaou et al.
Art Unit	2631
Examiner Name	Unknown
Attorney Docket Number	764164605017

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- 6169764		Babanczhad	
		US- 6438162		Boyd et al.	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

**FOREIGN PATENT DOCUMENTS**

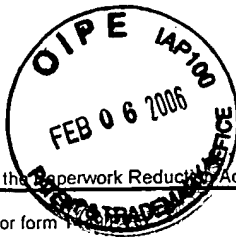
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
		EP 1 133 084 A1	9/12/2001	Tektronix Inc.		
		WO 98/45955	10/15/1998	Gennum Corp,		

Examiner Signature	Date Considered
-----------------------	--------------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/08B (04-03)

Approved for use through 04/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	09/940053
Filing Date	8/27/2001
First Named Inventor	Papanikolaou et al.
Art Unit	2631
Examiner Name	Unknown
Attorney Docket Number	764164605017

Sheet 2 of 2

**NON PATENT LITERATURE DOCUMENTS**

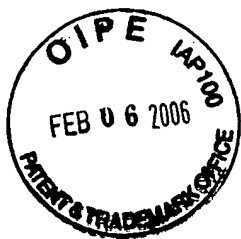
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Watanabe et al., "Adaptive Line Enhancers with Discriminated Structures", Electronics and Communications in Japan, Part 3, Vol. 79, No. 11, 1996, pp 57-68 XP 000681160, New York.	
		Guinea, Stacey, "Analog and Digital Circuit Techniques in Telecom Design for ISDN", International Symposium on Circuits and Systems, pp 137-140, XP000795192 New York.	

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



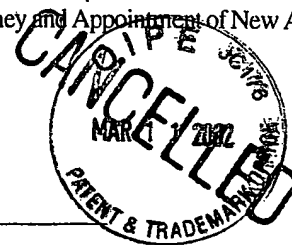
Express Mail No.: \_\_\_\_\_  
Docket No.: 764164-605017  
Application No.: 09/940053  
Patent/Registration No.: \_\_\_\_\_  
Trademark: \_\_\_\_\_

Date Mailed: February 15, 2002  
Applicant: ~~XXXXXXXXXX~~ Papanikolaou et al.  
Filing Date: 8/27/2001  
Issue/Registration Date: \_\_\_\_\_  
Title: Adaptive Equalizer w/Large Data Rate Rante

THE USPTO ACKNOWLEDGES AND HAS STAMPED THE DATE OF RECEIPT OF THE ITEMS CHECKED BELOW:

☐ Affidavit (\_\_\_\_ pages)  
☐ Amendment (\_\_\_\_ pages)  
☐ Application Papers  
    \_\_\_\_ sheets of drawing(s) (formal/informal)  
    \_\_\_\_ pages specification  
    \_\_\_\_ pages description  
    \_\_\_\_ pages claims  
    \_\_\_\_ pages abstract  
    \_\_\_\_ pages of PCT Request  
    \_\_\_\_ PCT Calculation sheet  
  
☐ Application Data Sheet  
☐ Assignment (\_\_\_\_ pages)    ☐ Assignment cover sheet  
☐ Declaration (\_\_\_\_ pages)  
☐ Declaration/Power of Attorney (\_\_\_\_ pages)  
☐ Fee Transmittal Form  
☒ IDS & PTO-1449 and  
    14 cited item(s)  
☐ Provisional Application for Patent cover sheet

☐ Design Patent Application Transmittal  
☐ Utility Patent Application Transmittal  
☐ Issue Fee Transmittal  
☐ Maintenance Fee Transmittal Form  
☐ Notice of Opposition  
☐ Petition for Extension of Time  
☐ Preliminary Amendment (\_\_\_\_ pages)  
☐ Renewal Application (\_\_\_\_ pages)  
☐ Response (\_\_\_\_ pages)  
☐ Revocation of Power of Attorney and Appointment of New Attorney  
☐ Small Entity Statement  
☐ Specimens  
☐ Statement of Use  
☐ Status Inquiry  
☐ Transmittal Letter  
☐ Check - Amount \$ \_\_\_\_\_  
☐ Other \_\_\_\_\_





PATENT

Atty Docket No.: 764164605017

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Papanikolaou et al.  
Serial No: 09/940,053 Art Unit: 2631  
Filed: August 27, 2001 Examiner: Not Yet Assigned  
For: Adaptive Equalizer With Large Data Rate Range

Commissioner for Patents  
Washington, D.C. 20231

Sir:

INFORMATION DISCLOSURE STATEMENT

This Statement is submitted in compliance with 37 C.F.R. § 1.56.

A list of patent(s) and/or publication(s) is set forth on the attached Form PTO-1449. A copy of each item listed is enclosed.

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on the date indicated below.

Suzanne Koston

Name

February 15, 2002

Date

Signature

Any additional fees required for the proper filing of this Information Disclosure Statement should be withdrawn from the Jones, Day, Reavis & Pogue Deposit Account No. 501432, account 764164605017.

Respectfully submitted,

A handwritten signature in black ink, reading "David Cochran", with a horizontal line drawn underneath it.

David B. Cochran

(Reg. No. 39,142)

JONES, DAY, REAVIS & POGUE

North Point/901 Lakeside Avenue

Cleveland, OH 44114

(216) 586-3939



PTO/SB/08A (10-96)  
Approved for use through 10/31/99. OMB 0651-0031  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO

**Complete if Known**

(use as many sheets as necessary)

Sheet	1	of	2
-------	---	----	---

<b>Application Number</b>	09/940053
<b>Filing Date</b>	August 27, 2001
<b>First Named Inventor</b>	Papanikolaou et al.
<b>Group Art Unit</b>	2631
<b>Examiner Name</b>	Unknown
<b>Attorney Docket Number</b>	764164605017

[illegible][illegible]

Examiner  
Signature

Date	
Considered	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.

1

+

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**Complete if Known**

*(use as many sheets as necessary)*

Sheet	2	of	2
-------	---	----	---

<b>Application Number</b>	09/940053
<b>Filing Date</b>	August 27, 2001
<b>First Named Inventor</b>	Papanikolaou et al.
<b>Group Art Unit</b>	2631
<b>Examiner Name</b>	Unknown
<b>Attorney Docket Number</b>	764164605017

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

[illegible]

Examiner  
Signature

Date  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.

+